

FORM PTO-1449
(REV.7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
99-B-156 (850063.571)APPLICATION NO.
09/475,686

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANTS

Bhusan Gupta et al.

FILING DATE

December 30, 1999

GROUP ART UNIT

~~2735~~ 2632

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,547,898	10/15/85	Tsikos	382	4	
	AB	4,641,350	02/03/87	Bunn	382	4	
	AC	4,686,531	08/11/87	Shambroom et al.	340	870.37	
	AD	5,467,022	11/14/95	Aoki et al.	324	661	
	AE	5,493,621	02/20/96	Matsumura	382	125	
	AF	5,613,014	03/18/97	Eshera et al.	382	124	
	AG	5,767,686	06/16/98	Kespohl	324	662	
	AH	5,825,907	10/20/98	Russo	382	124	
	AI	5,841,888	11/24/98	Setlak et al.	382	124	
	AJ	5,844,415	12/01/98	Gershenfeld et al.	324	663	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AK	0 343 580 B1	03/10/93	EP		
	AL					
	AM					
	AN					
	AO					

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AP	
	AQ	
	AR	

EXAMINER

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5/31/02

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U.S. PATENT DOCUMENTS

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<i>W</i>	AS	5,845,005	12/01/98	Setlak et al.	382	124	
<i>W</i>	AT	5,936,412	08/10/99	Gershenfeld et al.	324	663	
<i>W</i>	AU	5,953,441	09/14/99	Setlak	382	124	
<i>W</i>	AV	6,025,726	02/15/00	Gershenfeld et al.	324	671	
<i>W</i>	AW	6,051,981	04/18/00	Gershenfeld et al.	324	663	
<i>W</i>	AX	6,066,954	05/23/00	Gershenfeld et al.	324	671	
<i>W</i>	AY	6,088,471	07/11/00	Setlak et al.	382	124	
<i>W</i>	AZ	6,091,082	07/18/00	Thomas et al.	257	77	
<i>W</i>	BA	6,114,862	09/05/00	Tartagni et al.	324	662	
<i>W</i>	BB	6,191,593	02/20/01	Tartagni et al.	324	687	
<i>W</i>	BC	6,236,741	05/22/01	Kovacs-Vajna	382	125	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	BD					
	BE					
	BF					
	BG					
	BH					

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	BI		
	BJ		
	BK		

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APPLICANTS

Bhusan Gupta and Alan Kramer

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GROUP ART UNIT

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	PATENT CLASS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>W</i>	AA	3,493,855	02/03/70	Norwich	324	61	
<i>W</i>	AB	3,641,431	02/08/72	Pigage et al.	324	61 R	
<i>W</i>	AC	3,781,855	12/25/73	Killen	340	146.3 E	
<i>W</i>	AD	3,873,927	03/25/75	Overall	328	4	
<i>W</i>	AE	3,967,310	06/29/76	Horiuchi et al.	357	54	
<i>W</i>	AF	4,016,490	04/05/77	Weckenmann et al.	324	61 R	
<i>W</i>	AG	4,096,758	06/27/78	Moore	73	718	
<i>W</i>	AH	4,161,743	07/17/79	Yonezawa et al.	357	54	
<i>W</i>	AI	4,183,060	01/08/80	Barnette et al.	358	128	
<i>W</i>	AJ	4,353,056	10/05/82	Tsikos	340	146.3 E	
<i>W</i>	AK	4,394,773	07/19/83	Ruell	382	4	
<i>W</i>	AL	4,428,670	01/31/84	Ruell et al.	356	71	
<i>W</i>	AM	4,429,413	01/31/84	Edwards	382	4	
<i>W</i>	AN	4,513,298	04/23/85	Scheu	346	140 R	
<i>W</i>	AO	4,571,543	02/18/86	Raymond et al.	324	425	
<i>W</i>	AP	4,577,345	03/18/86	Abramov	382	124	
<i>W</i>	AQ	4,626,774	12/02/86	Regtien	324	61 R	
<i>W</i>	AR	4,656,871	04/14/87	Czarnocki	73	724	
<i>W</i>	AS	4,763,063	08/09/88	Shkedi	324	60 CD	
<i>W</i>	AT	4,814,691	03/21/89	Garbini et al.	324	61 R	
<i>W</i>	AU	4,935,207	06/19/90	Stanbro et al.	422	68.1	
<i>W</i>	AV	4,958,129	09/18/90	Poduje et al.	324	661	
<i>W</i>	AW	5,028,876	07/02/91	Cadwell	324	678	
<i>W</i>	AX	5,325,442	06/28/94	Knapp	382	4	
<i>W</i>	AY	5,373,181	12/13/94	Scheiter et al.	257	415	
<i>W</i>	AZ	5,430,381	07/04/95	Dower	324	452	
<i>W</i>	BA	5,530,581	06/25/96	Cogan	359	265	

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2334

BB	5,659,626	08/19/97	Ort et al.	382	125	
BB	5,778,089	07/07/98	Borza	382	124	
BB	5,828,773	10/27/98	Setlak et al.	382	126	
BE	5,852,670	12/22/98	Setlak et al.	382	126	
BF	5,862,248	01/19/99	Salatino et al.	382	124	
BG	5,869,791	02/09/99	Young	178	20.01	
BH	5,903,225	05/11/99	Schmitt et al.	340	825.31	
BI	5,920,640	07/06/99	Salatino et al.	382	124	
BJ	5,973,623	10/26/99	Gupta et al.	341	33	
BK	6,011,859	01/04/00	Kalnitsky et al.	382	124	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
✓	BL	0 226 082 A1	06/24/87	EP (+ English abstract)				
✓	BM	0 397 244 A2	11/14/90	EP				
✓	BN	0 397 244 A3	11/14/90	EP				
✓	BO	0 397 244 B1	11/14/90	EP				
✓	BP	0 455 070 B1	11/06/91	EP (+English abstract)				
✓	BQ	0 454 883 B1	11/06/91	EP (+ English abstract)				
✓	BR	GB2279756A	01/11/95	UK				
✓	BS	GB2279757A	01/11/95	UK				
✓	BT	0 710 593 A1	05/08/96	EP (+ English abstract)				
✓	BU	0 779 497 A2	06/18/97	EP				
✓	BV	0 786 745 A2	07/30/97	EP				
✓	BW	0 790 479 A1	08/20/97	EP				
✓	BX	0 791 899 A2	08/27/97	EP				
✓	BY	GB2312514A	10/29/97	UK				
✓	BZ	WO 97/40744	11/06/97	PCT				

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				FILING DATE December 30, 1999		GROUP ART UNIT 2735	
<input checked="" type="checkbox"/>	CA	0 779 497 A3	06/18/97	EP			
<input checked="" type="checkbox"/>	CB	0 786 745 A3	07/30/97	EP			
<input checked="" type="checkbox"/>	CC	0 791 899 A3	08/27/97	EP			
<input checked="" type="checkbox"/>	CD	WO 98/49691	11/05/98	PCT			
<input checked="" type="checkbox"/>	CE	WO 99/28701	06/10/99	PCT			

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
<input checked="" type="checkbox"/>	CF	Wolffenbuttel et al., "Integrated Tactile Imager With An Intrinsic Contour Detection Option," <i>Sensors and Actuators</i> , 16:141-153, 1989
<input checked="" type="checkbox"/>	CG	Sarma et al., "Capacitance-Type Blade-Tip Clearance Measurement System Using a Dual Amplifier with Ramp/DC Inputs and Integration," <i>IEEE Transactions on Instrumentation and Measurement</i> 41(5):674-678, October 1992
<input checked="" type="checkbox"/>	CH	Young et al., "Novel Fingerprint Scanning Arrays Using Polysilicon TFT's on Glass and Polymer Substrates," <i>IEEE Electron Device Letters</i> , 8(1):19-20, 1997
<input checked="" type="checkbox"/>	CI	Tartagni et al., "A 390dpi Live Fingerprint Imager Based on Feedback Capacitive Sensing Scheme," <i>IEEE International Solid-State Circuits Conference</i> , February 7, 1997, 5 pp.
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